

REMARKS

By this amendment, claims 29, 32, and 34-38 have been amended to correct minor informalities therein. Claims 2-6, 8-14, 16-20, 22-30 and 32-39 remain pending in the subject application. Among pending claims 2-6, 8-14, 16-20, 22-30, and 32-39:

Claim 6 is an independent claim with claims 2, 3, 4, 5, 8, 9, 10, 11, 12, 13, and 14 depending therefrom;

Claim 20 is an independent claim with claims 16, 17, 18, 19, 22, 23, 24, 25, 26, 27, and 28 depending therefrom;

Claim 29 is an independent claim;

Claim 30 is an independent claim;

Claim 32 is an independent claim with claims 33, 34, 35, and 36 depending therefrom;

Claim 37 is an independent claim;

Claim 38 is an independent claim; and

Claim 39 is an independent claim.

Rejection of Claims 2-6, 8-14, 16-20, 22-30, and 32-39

Under 35 U.S.C. § 103

In Paragraph 9, the Office action rejected claims 2-6, 8-14, 16-30, and 32-39 under 35 U.S.C. § 103(a) as being unpatentable over Vogel (U.S. Patent No. 5,815,683, herein after referred to as "Vogel"), and further in view of Rosenow et al. (U.S. Patent No. 5,483,596, herein after referred to as "Rosenow"), Montague et al. (U.S. Patent No. 5,675,782, herein after referred to as "Montague"), and Pilc et al. (U.S. Patent No. 5,510,777, herein after referred to as "Pilc"). Because

claim 21 was previously cancelled, the inclusion of claim 21 in the rejected claims is apparently a typographic error. Accordingly, the rejection of claims 2-6, 8-14, 16-20, 22-30, and 32-39 under 35 U.S.C. § 103 is respectfully traversed.

Vogel discloses accessing a remote CAD tool server. Specifically with reference to Fig. 2, Vogel discloses in column 3, lines 5-15, that the process of accessing CAD tool server 10 by a client 12 starts with the client 12 establishing an access connection to access facilitator 14, step 18. Upon accepting the client's access connection, access facilitator 14 obtains the internetworking address of client 12 and provides client 12 with an interface to submit access requests, step 20. For each access request received, access facilitator 14 routes the access request including client's internetworking address to CAD tool server 10, step 22. CAD tool server 10 services the request and responds to client 12 directly, using the internetworking address provided, step 24. With reference to Figs. 4, 5, and 6, Vogel disclose the software environments of the client 12, the access facilitator 14, and CAD tool server 10.

Montague discloses controlling access to objects on multiple operating systems. Specifically in column 3, lines 9-26, Montague discloses that in response to a request by the user, the network operating system determines the trustees that can have the specific access rights assigned to them and returns a list of the trustees in a format that is independent of the network operating system on which the specific access rights are to be set. A user must have the right to grant access to the entity and can only affect the access rights of a trustee on the list. Another step of the

method is to enable a user to view a trustee's access permissions to an entity. Preferably, the set of predefined generic requests includes at least one of: (a) granting of access rights to the entity; (b) setting access rights to the entity; (c) denying access rights to the entity; (d) revoking explicit access rights to a specific entity; (e) replacing all access rights to the entity; (f) determining if access to the entity is permitted; (g) getting effective access rights for a specific entity; (h) listing trustees who have explicit access rights to the entity; and, (i) enumerating all trustees who may be granted access rights to the entity.

It is respectfully submitted that Montague discloses a set of predefined generic requests, which does not cure the deficiency of Vogle in making the claims in the subject application obvious.

Pilc discloses in column 2, lines 19-29, receiving from a requester a request for access to a destination, the nature of the request itself specifying a first level of security processing, and prompting the requester to supply additional authentication information, beyond that which may be supplied by the requester in an attempt to meet the first level of security processing, only if it is determined from a predetermined set of attributes of the particular access request that additional security processing is necessary before access can be granted to the destination.

Rosenow discloses in column 4, lines 46-55 a compact, physically secure, high-performance access controller that is electrically connected to each access-managed resource or group of resources in a computer system. Whenever access-managed resources attempt to establish communications, their

associated access controllers exchange sets of internally generated DES encrypted access authorization codes utilizing protocols characterized by multiple random numbers, resource authorization keys, serial number verification, and session authorization keys. Each new session employs different encryption keys derived from multiple random numbers and multiple hidden algorithms. The access control management data exchanges are transparent to the user, and the keys employed are not transmitted across a communications line.

Claim 6 calls for, among other things, security services for presenting to a user of the client a plurality of user authentication protocol options, each user authentication protocol option having a particular level of authentication associated with it; and a key safe for storing keys, thereby enabling the client to access the available services without storing the service communication code and keys at the client or having to carry or remember them. It is respectfully submitted that at least a combination of these and other elements specified in claim 6 is neither taught nor suggested in Vogel, Rosenow, Montague, and Pilc, either singly or in combination. Therefore, Vogel in view of Rosenow, Montague, and Pilc cannot make claim 6 obvious under 35 U.S.C. § 103.

Claims 2-5 and 8-14 depend from claim 6 and are therefore allowable over Vogel in view of Rosenow, Montague, and Pilc for at least the same reasons as claim 6.

Claim 20 calls for, among other things, presenting to a user of the client a plurality of user authentication protocol options, each user authentication protocol option having a particular level of authentication associated with it; and retrieving a key from a set of keys, each key corresponding to

a respective service from the set of available services, thereby enabling the client to access the available services without storing the service communication code and keys at the client or having to carry or remember them. It is respectfully submitted that at least a combination of these and other elements specified in claim 20 is neither taught nor suggested in Vogel, Rosenow, Montague, and Pilc, either singly or in combination. Therefore, Vogel in view of Rosenow, Montague, and Pilc cannot make claim 20 obvious under 35 U.S.C. § 103.

Claims 16-19 and 22-28 depend from claim 20 and are therefore allowable over Vogel in view of Rosenow, Montague, and Pilc for at least the same reasons as claim 20.

Claim 29 calls for, among other things, means for presenting to a user of the client a plurality of user authentication protocol options, each user authentication protocol option having a particular level of authentication; and means for retrieving a key from a set of keys, each key corresponding to a respective service from the set of available services, thereby enabling the client to access the available services without storing the service communication code and keys at the client. It is respectfully submitted that at least a combination of these and other elements specified in claim 29 is neither taught nor suggested in Vogel, Rosenow, Montague, and Pilc, either singly or in combination. Therefore, Vogel in view of Rosenow, Montague, and Pilc cannot make claim 29 obvious under 35 U.S.C. § 103.

Claim 30 calls for, among other things, presenting to a user of the client a plurality of user authentication protocol options, each user authentication protocol option having a

particular level of authentication associated with it; and retrieving a key from a set of keys, each key corresponding to a respective service from the set of available services, thereby enabling the client to access the available services without storing the service communication code and keys at the client or having to carry or remember them. It is respectfully submitted that at least a combination of these and other elements specified in claim 30 is neither taught nor suggested in Vogel, Rosenow, Montague, and Pilc, either singly or in combination. Therefore, Vogel in view of Rosenow, Montague, and Pilc cannot make claim 30 obvious under 35 U.S.C. § 103.

Claim 32 calls for, among other things, storing the security information at a location remote from the client; and using the stored security information to enable the user access to the secured network service without requiring the user to supply the stored security information. It is respectfully submitted that at least a combination of these and other elements specified in claim 32 is neither taught nor suggested in Vogel, Rosenow, Montague, and Pilc, either singly or in combination. Therefore, Vogel in view of Rosenow, Montague, and Pilc cannot make claim 32 obvious under 35 U.S.C. § 103.

Claims 33-36 depend from claim 32 and are therefore allowable over Vogel in view of Rosenow, Montague, and Pilc for at least the same reasons as claim 32.

Claim 37 calls for, among other things, means for storing the security information at a location remote from the client; and means for using the stored security information to enable the user access to the secured network service without

requiring the user to supply the stored security information. It is respectfully submitted that at least a combination of these and other elements specified in claim 37 is neither taught nor suggested in Vogel, Rosenow, Montague, and Pilc, either singly or in combination. Therefore, Vogel in view of Rosenow, Montague, and Pilc cannot make claim 37 obvious under 35 U.S.C. § 103.

Claim 38 calls for, among other things, storing the security information at a location remote from the client; and using the stored security information to enable the user access to the secured network service without requiring the user to supply the stored security information. It is respectfully submitted that at least a combination of these and other elements specified in claim 38 is neither taught nor suggested in Vogel, Rosenow, Montague, and Pilc, either singly or in combination. Therefore, Vogel in view of Rosenow, Montague, and Pilc cannot make claim 38 obvious under 35 U.S.C. § 103.

Claim 39 calls for, among other things, security services for presenting a user of the client a plurality of user authentication protocol options, each user authentication protocol option having a particular level of authentication associated with it, for authenticating the user according to at least one user authentication protocol and for determining user privileges based on the identity of the user and the level of authentication. It is respectfully submitted that at least a combination of these and other elements specified in claim 39 is neither taught nor suggested in Vogel, Rosenow, Montague, and Pilc, either singly or in combination.

Therefore, Vogel in view of Rosenow, Montague, and Pilc cannot make claim 39 obvious under 35 U.S.C. § 103.

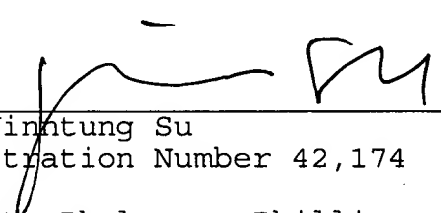
CONCLUSION

In view of above, claims 2-6, 8-14, 16-20, 22-30, and 32-39 currently pending in the subject application are believed to have overcome the rejections and be allowable. The subject application is in condition for allowance. Such action is respectfully requested.

The Commissioner is hereby authorized to charge any additional fees to Manatt, Phelps & Phillips' Deposit Account No. 50-1847 or to credit any overpayment to the same for all matters during the prosecution of the subject application.

Respectfully submitted,

MANATT, PHELPS & PHILLIPS
Attorneys for Applicants


By: Jintung Su
Registration Number 42,174

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Manatt, Phelps, & Phillips
1001 Page Mill Road, Building 2
Palo Alto, CA 94304
Tel: 650-812-1300